

Amendment to the Abstract:

The Abstract has been amended. A revised Abstract is attached.

~~————In the progressive conversion of an input video signal of interlace scheme, an object of the invention is to perform repeat field detection, material determination, and filter control as accurate as possible even in case of an input video signal having much noise and an input video signal having little motion, so as to output a progressive video image as appropriate as possible.~~

Using an index indicating the amount of motion and noise in the video image calculated on the basis of the discrepancy pixel numbers of the image two fields ago and the present image, the reliability of detection result is obtained and utilized, so as to improve the repeat field detection accuracy and the scene change detection accuracy. Further, adaptive filter accuracy is improved by changing the determination conditions in the determination of the filter to be used. In addition, filter control accuracy is improved by suppressing the filter fluctuation per unit time, so that the problem is resolved.

Attachment

BEST AVAILABLE COPY